

=> d his

(FILE 'HOME' ENTERED AT 15:18:06 ON 26 NOV 2002)

INDEX 'ADISALERTS, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,  
CABA, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO,  
CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB,  
DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 15:18:21 ON  
26 NOV 2002

M SEA ("80" (A) PERCENT OR "80%") (3A) (ALCOHOL? OR ETHANOL? OR

-----  
19 FILE ADISALERTS  
1 FILE ADISINSIGHT  
6 FILE ADISNEWS  
157 FILE AGRICOLA  
1545 FILE ANABSTR  
81 FILE AQUASCI  
183 FILE BIOBUSINESS  
1758 FILE BIOSIS  
404 FILE BIOTECHABS  
404 FILE BIOTECHDS  
238 FILE BIOTECHNO  
809 FILE CABA  
144 FILE CANCERLIT  
2254 FILE CAPLUS  
116 FILE CEABA-VTB  
3 FILE CEN  
38 FILE CIN  
4 FILE CONFSCI  
2 FILE CROPB  
176 FILE CROPU  
15 FILE DDFB  
185 FILE DDFU  
625 FILE DGENE  
15 FILE DRUGB  
7 FILE DRUGLAUNCH  
696 FILE DRUGU  
19 FILE EMBAL  
1139 FILE EMBASE  
411 FILE ESBIODBASE  
25 FILE FEDRIP  
16 FILE FOMAD  
3 FILE FOREGE  
69 FILE FROSTI  
695 FILE FSTA  
14 FILE GENBANK  
26 FILE HEALSAFE  
695 FILE IFIPAT  
273 FILE JICST-EPLUS  
8 FILE KOSMET  
287 FILE LIFESCI  
1121 FILE MEDLINE  
55 FILE NIOSHTIC  
69 FILE NTIS  
24 FILE OCEAN  
693 FILE PASCAL  
4 FILE PHIN

316 FILE PROMT  
1257 FILE SCISEARCH  
10 FILE SYNTHLINE  
1293 FILE TOXCENTER  
23211 FILE USPATFULL  
222 FILE USPAT2  
23 FILE VETU  
2460 FILE WPIDS  
2460 FILE WPINDEX

L1 QUE ("80" (A) PERCENT OR "80%") (3A) (ALCOHOL? OR ETHANOL? OR  
M

-----  
SEA L1 (11A) GREEN TEA  
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1 FILE BIOBUSINESS  
2 FILE BIOSIS  
3 FILE CAPLUS  
1 FILE CEABA-VTB  
1 FILE EMBASE  
1 FILE ESBIODBASE  
1 FILE FROSTI  
2 FILE FSTA  
1 FILE JICST-EPLUS  
1 FILE MEDLINE  
1 FILE PROMT  
3 FILE SCISEARCH  
1 FILE TOXCENTER  
2 FILE USPATFULL

L2 QUE L1 (11A) GREEN TEA  
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FILE 'CAPLUS, SCISEARCH, BIOSIS, MEDLINE, PROMT, TOXCENTER' ENTERED AT  
15:22:42 ON 26 NOV 2002

L3 11 S L2

L4 5 DUP REM L3 (6 DUPLICATES REMOVED)

INDEX 'ADISALERTS, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,  
BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO,  
CABA,  
CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB,  
DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 15:26:29 ON  
26 NOV 2002

M SEA ("80" (A) PERCENT OR "80%") (7A) (ALCOHOL? OR ETHANOL? OR

-----  
31 FILE ADISALERTS  
1 FILE ADISINSIGHT  
9 FILE ADISNEWS  
194 FILE AGRICOLA  
1883 FILE ANABSTR  
88 FILE AQUASCI  
252 FILE BIOBUSINESS  
2364 FILE BIOSIS  
591 FILE BIOTECHABS  
591 FILE BIOTECHDS  
347 FILE BIOTECHNO  
1029 FILE CABA  
215 FILE CANCERLIT  
3167 FILE CAPLUS  
228 FILE CEABA-VTB  
4 FILE CEN  
99 FILE CIN  
6 FILE CONFSCI  
3 FILE CROPB  
220 FILE CROPU  
31 FILE DDFB

259 FILE DDFU  
 625 FILE DGENE  
 31 FILE DRUGB  
 9 FILE DRUGLAUNCH  
 1002 FILE DRUGU  
 28 FILE EMBAL  
 1646 FILE EMBASE  
 576 FILE ESBIODBASE  
 43 FILE FEDRIP  
 37 FILE FOMAD  
 32 FILE FOREGE  
 86 FILE FROSTI  
 878 FILE FSTA  
 24 FILE GENBANK  
 42 FILE HEALSAFE  
 1689 FILE IFIPAT  
 348 FILE JICST-EPLUS  
 10 FILE KOSMET  
 409 FILE LIFESCI  
 1606 FILE MEDLINE  
 88 FILE NIOSHTIC  
 125 FILE NTIS  
 27 FILE OCEAN  
 979 FILE PASCAL  
 7 FILE PHIN  
 600 FILE PROMT  
 1763 FILE SCISEARCH  
 15 FILE SYNTHLINE  
 1845 FILE TOXCENTER  
 37247 FILE USPATFULL  
 378 FILE USPAT2  
 1 FILE VETB  
 28 FILE VETU  
 4769 FILE WPIDS  
 4769 FILE WPINDEX  
 54 FILE NAPRALERT

L5  
M

QUE ("80" (A) PERCENT OR "80%") (7A) (ALCOHOL? OR ETHANOL? OR

-----  
 SEA L1 (11A) (GREEN TEA OR C.SINENSIS OR CAMELLIA OR CAMELIA)  
 -----

SEA L5 (11A) (GREEN TEA OR C.SINENSIS OR CAMELLIA OR CAMELIA)  
 -----

1 FILE BIOBUSINESS  
 3 FILE BIOSIS  
 4 FILE CAPLUS  
 1 FILE CEABA-VTB  
 1 FILE EMBASE  
 1 FILE ESBIODBASE  
 1 FILE FROSTI  
 2 FILE FSTA  
 1 FILE JICST-EPLUS  
 1 FILE MEDLINE  
 1 FILE PROMT  
 3 FILE SCISEARCH  
 1 FILE TOXCENTER  
 3 FILE USPATFULL

L6

QUE L5 (11A) (GREEN TEA OR C.SINENSIS OR CAMELLIA OR CAMELIA)  
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FILE 'CAPLUS, BIOSIS, SCISEARCH, FSTA, BIOBUSINESS, CEABA-VTB, EMBASE,  
 FROSTI, MEDLINE, TOXCENTER' ENTERED AT 15:34:51 ON 26 NOV 2002

L7

18 S L6

L8

9 DUP REM L7 (9 DUPLICATES REMOVED)

L8 ANSWER 8 OF 9 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE  
 3  
 AN 1992:141834 BIOSIS  
 DN BA93:76059  
 TI EFFECT OF TEA CATECHINS FOR HALITOSIS AND THEIR APPLICATION TO CHEWING  
 GUM.  
 AU UI M; YASUDA H; SHIBATA M; MARUYAMA T; HORITA H; HARA T; YASUDA T  
 CS LOTTE CENTRAL LAB. CO. LTD., 3-1-1 NUMAKAGE, URAWA-SHI, SAITAMA 336.  
 SO J JPN SOC FOOD SCI TECHNOL, (1991) 38 (12), 1098-1102.  
 CODEN: NSKGAX. ISSN: 0029-0394.  
 FS BA; OLD  
 LA Japanese  
 AB **Green tea** was extracted with 80%  
**ethanol** and the extract was separated with TOYO-PEARL HW-40 to  
 obtain tea catechins, which consist of (-)-epicatechin (EC),  
 (-)-epigallocatechin (EGC), (-)-epicatechin gallate (ECg) and  
 (-)-epigallocatechin gallate (EGCg). The effect of tea catechins on  
 methyl  
 mercaptan (CH3SH), a main source of halitosis, was investigated in vitro.  
 The deodorant effect of tea catechins on CH3SH was stronger than that of  
 sodium copper chlorophyllin, which has been widely used as an oral  
 deodorizer. Of four main components in tea catechins, the deodorant  
 activity increased in the following order, EC<ECg<EGC<EGCg. This implies  
 that their activities are related to their structural formula. The  
 inhibitory effect of tea catechins on CH3SH production from saliva  
 containing L-methionine was also evaluated. A large amount of CH3SH was  
 produced during the incubation of saliva at 37.degree.C for 24 h. But  
 the  
 incubation of saliva added tea catechins resulted in the remarkable  
 depression of CH3SH production. Tea catechins were attempted to apply to  
 chewing gum. By chewing of gum containing tea catechins, CH3SH production  
 was reduced significantly. These results indicated that tea catechins  
 showed remarkable effect on the elimination of CH3SH, and chewing of gum  
 containing tea catechins was useful to depress the bad breath.  
 CC Biochemical Methods - General \*10050  
 Biochemical Studies - General 10060  
 Food Technology - General; Methods \*13502  
 Food Technology - Evaluations of Physical and Chemical Properties  
 \*13530  
 Food Technology - Preparation, Processing and Storage \*13532  
 Dental and Oral Biology - Physiology and Biochemistry \*19004  
 Plant Physiology, Biochemistry and Biophysics - Chemical Constituents  
 51522  
 BC Hominidae 86215  
 IT Miscellaneous Descriptors  
 HUMAN GREEN TEA EXTRACT METHYL MERCAPTAN REACTION DEODORANT EFFECT  
 CATECHIN STRUCTURAL FORMULA SALIVA PRODUCTION BAD BREATH DEPRESSION  
 FOOD PROCESSING  
 RN 74-93-1 (METHYL MERCAPTAN)  
 120-8

1,3,25 24